

HEAT DISTRIBUTOR FOR ELECTRICAL CONNECTOR

ABSTRACT OF THE DISCLOSURE

An electrical system includes a printed circuit board with conductive traces formed thereon. An electrical connector includes an insulative base with an array of cells defined therein. Each cell receives and retains a conductive contact having a tail portion corresponding to the conductive traces. Soldering pre-forms are arranged between the conductive traces and the tail portions. A heat distributor includes a thermally conductive base plate positioned on the connector base and thermally conductive pins extending from the base plate. The base plate is positioned on the connector base with the pins inserted into the cells and thermally engaging selected contacts so as to create a homogenous heat transfer to/from the soldering pre-forms thereby eliminating heat stress among the soldering pre-forms